PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHO	ORITY	51			
To: SIM & MCBURNEY 6th Floor	ECEIVE JUL 31 200)	PCT RITTEN OPINION OF THE		
330 University Avenue	111 81 500	INTERNAT	TIONAL SEARCHING AUTHORITY		
TORONTO, Ontario Canada, M5G 1R7	JUL 32 SIM & MCBUR SIM & MASHON	NE MOXAYUP	(PCT Rule 43bis.1)		
	SIM & MCBUR	Date of mailing (day/month/year)	27 July 2007 (27-07-2007)		
Applicant's or agent's file reference 9577-58 KAM		FOR FURTHER AC	FION e paragraph 2 below		
International application No. PCT/CA2007/000548	nternational filing date (4 3 April 2007 (03-04-2	lay/month/year) 1007)	Priority date (day/month/year) 03 April 2006 (03-04-2006)		
International Patent Classification (IPC) or IPC: A61K 9/54 (2006.01), A61J 3/00 (20	both national classificat 006.01), <i>A61K 9/24</i> (20	tion and IPC 006.01)			
Applicant ODIDI, ISA ET AL					
1. This opinion contains indications relating	g to the following items	:	·		
[X] Box No. I Basis of	the opinion				
[] Box No. II Priority					
[X] Box No. III Non-esta	ablishment of opinion wi	th regard to novelty, inv	entive step and industrial applicability		
[X] Box No. IV Lack of t	unity of invention				
[X] Box No. V Reasoned	d statement under Rule 4	3bis.1(a)(i) with regard	to novelty, inventive step or industrial		
applicabi	ility; citations and explai	nations supporting such	statement		
[] Box No. VI Certain d	locuments cited				
[] Box No. VII Certain d	[] Box No. VII Certain defects in the international application				
[X] Box No. VIII Certain observations on the international application					
Examining Authority ("IPEA") except that the IPEA has notified the International Bureau to	his does not apply where thunder Rule 66.1 bis(b) that the	written opinions of this Inte	be a written opinion of the International Preliminary thority other than this one to be the IPEA and the chosen mational Searching Authority will not be so considered.		
If this opinion is, as provided above, consider together, where appropriate, with amendment of 22 months from the priority date, whicher	nts, before the expiration of	of the IPEA, the applicant 3 months from the date of	is invited to submit to the IPEA a written reply mailing of Form PCT/ISA/220 or before the expiration		
For further options, see Form PCT/ISA/220.	For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/IS					
Name and mailing address of the ISA/CA Canadian Intellectual Property Office	Date of complet	tion of this opinion	Authorized officer		
Place du Portage I, C114 - 1st Floor, Box F	PCT 11 July 2007 (1	1-07-2007)	Nasreddine Slougui 819-956-6132		
50 Victoria Street Gatineau, Quebec K1A 0C9 Faccimile No.: 001-819-953-2476					

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Box	No I		Basis of this o	pinion	•					
				nis opinion has b	een establishe	d on the basi	s of:			
ι. ν	vith re	gard to t	nic isnkaske, n	no opinion nas c	,					
(X] t	he interr	national applica	tion in the langu	age in which i	it was filed		•		
ſ) a	translat	tion of the inter	national applicat	ion into				, which is the	language of a
•	t	ranslatio	on furnished for	the purposes of	international s	search (Rules	: 12.3(a) and	23.1(b)).		
2. [te	o this A	uthority under	stablished taking Rule 91 (Rule 43 and/or amino a	bis.1(a))					
3. V	viin re nventic	gard to a	opinion has bee	n established on	the basis of:					
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a .	type	of mate					-			· · · · · · · · · · · · · · · · · · ·
	[•	quence listing							•
	[] tabl	e(s) related to the	ne sequence listi	ng					
Ъ	. form	at of ma	aterial		•					·
	ſ] on ;	paper							
	ſ] in e	lectronic form					•	•	
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١	. l		on in the case t	hat more than or	ne version or c	opy of a sequ	uence listing	and/or table(s	s) relating theret	o has
4. [La manifed state	ements that the	e information	in the subs	equent or addi	itional copies is	identical to that in
	t	he appli	cation as filed o	r does not go be	yond the appli	ication as file	ed, as approp	priate, were fu	misneu.	•
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5. 1	Additio	nal com	ments:			•				
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Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The question applicable h	ns whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially ave not been examined in respect of:
[]	the entire international application
[X]	claim Nos. 51 and 52
because	:
[X]	the said international application, or the said claim Nos. 51 and 52 relate to the following subject matter which does not require an international search (specify):
	Claims 51 and 52 are directed to a method for treatment of the human or animal body by surgery or therapy, are not required to be searched nor is a written opinion required by this Authority. Regardless, this Authority has established a written opinion based on the alleged effect or purpose/use of the product defined in claims 51 and 52.
. []	the description, claims or drawings (indicate particular elements below) or said claim Nos. are so unclear that no meaningful opinion could be formed (specify):
[]	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed (specify):
ιj	no international search report has been established for said claims Nos.
[]	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	[] furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	[] furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under
	Rule 13ter.1(a) or (b). a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the
[]	prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.
[]	the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the
, ,	technical requirements provided for in Annex C-bis of the Administrative Instructions.
[]	See Supplemental Box for further details.

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		Lack of unity of invention
Во	x No. IV	LBLR OF GIRLS OF INCESSES
1.	[]In	response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time limit:
	[-] paid additional fees
	[] paid additional fees under protest and, where applicable, the protest fee
	[paid additional fees under protest but the applicable protest fee was not paid
	ſ	not paid additional fees
2.		his Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay dditional fees.
3.	This A	uthority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
	[] complied with
	. [X] not complied with for the following reasons:
		Group A: Claims 1-30, 51-56 (in part) and 57-66 are directed to a drug delivery composition comprising extruded spheroids, the spheroids comprising at least one active pharmaceutical ingredient; at least one extrusion-spheronization aid; at least one superdisintegrant; and at least one glidant, at least one lubricant; and/or at least one oil, a method of making the same as well as its use in pharmaceutical and medical fields.
		Group B: Claims 31-50 and 51-56 (in part) are directed to a drug delivery composition comprising coated spheroids having inert spheroids and at least one coating for the spheroids, the coating comprising at least one active pharmaceutical ingredient and at least one superdisintegrant and its use in pharmaceutical and medical fields.
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4	. Conse	quently, this opinion has been established in respect of the following parts of the international application:
		[X] all parts
		[] the parts relating to claim Nos.
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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				•	
Novelty	/ (N)	Claims	None	YES	
	• .	Claims	1-66	NO	
Invent	tive step (IS)	Claims	None	YES	
	,	Claims	1-66	МО	
· Indust	rial applicability (IA)	Claims	1-66	YES	
nuce	im application, (=)	Claims		NO	

2. Citations and explanations:

Cited documents:

D1: US 6673367 (Euro-Celtique), 06 January 2004

D2: US 2003/0215507 (Wyeth), 20 November 2003

D3: US 6558704 (Gruenenthal GmbH), 06 May 2003

D4: US 2002/0002147 (R. Abramowitz et al), 03 January 2002

D5: US 5049394 (E. R. Squibb & Sons, Inc) 17 September 1991

D6: WO 2004/056354 (Ranbaxy Laboratories Limited), 8 July 2004

D7: WO 02/30398 (Euroceltique S.A.), 18 April 2002

Novelty step:

D1-D7 disclose a drug delivery composition comprising spheroids prepared by extrusion-spheronization, the spheroids comprising an active pharmaceutical drug, an extrusion spheronization agent such as microcrystalline agent cellulose and numerous excipients including a superdisintegarnt, a glidant, a lubricant or a oil. Also, the active pharmaceutical drug may be coated onto inert pharmaceutically acceptable beads or spheroids. All different ingredients comprised in the drug delivery composition are in different relative ratios including the ratios disclosed in the present application. This drug delivery composition is used for the controlled release of a desired amount of the drug time during a desired time in the gastro-intestinal tract. Therefore, claims 1-66 are not novel and do not comply with Article 33(2) of the PCT.

Inventive Step:

Claims 1-66 do not meet the criteria set for obviousness by Article 33(3) of the PCT as the claims lack novelty, they also lack an inventive step.

Industrial Applicability:

The subject matter of claims 1-66 is considered to be industrially applicable and thus complies with the requirements of Article 33(4) of the PCT.

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Item 1: Claims 1 and 31 do not comply with Article 6 of the PCT in that there is a broad statement at the point of alleged invention. The statement is so broad that it embraces all possible means without qualification for solving the problem facing the inventor, and is in effect no more than a re-statement of the problem or the desired result.

Item 2: Claims 1 and 32 do not comply with Article 5 of the PCT. The multiple use of the expression "at least" in these independent claims implies that the extent of protection may be expanded in some vague and imprecise way and renders the scope of the protection, sought by the applicant, indefinite and ambiguous.

Item 3: Reference to the name of "Aspirin" on page 17, "Cabosil", "Syloid", "Compritol", "Stear-O-Wet" and "Myvatex" on page 23, should be identified as trademarks according to Article 5 of the PCT.